

Title (en)
AIR FILTER

Title (de)
LUFTFILTER

Title (fr)
FILTRE A AIR

Publication
EP 0640002 B1 19960717 (EN)

Application
EP 92918921 A 19920903

Priority
• AU 9200463 W 19920903
• AU PK810391 A 19910903

Abstract (en)
[origin: WO9304761A1] An air filter comprises an inlet (1) for compressed air; a prefiltration chamber (2) into which air from the inlet passes; a porous filter means (3) through which air from the prefiltration chamber passes, to strain particulate matter from the air; a plurality of venturis (4) through which air from the porous filter means passes; an expansion chamber (5) in which air from the venturis expands and cools so that droplets of oil and water precipitate and accumulate at the bottom of the expansion chamber; and an outlet (6) for air from the expansion chamber.

IPC 1-7
B01D 35/02; **B01D 46/24**; **B01D 29/00**; **B01D 53/26**; **B01D 51/06**

IPC 8 full level
B01D 29/00 (2006.01); **B01D 35/02** (2006.01); **B01D 39/20** (2006.01); **B01D 46/00** (2006.01); **B01D 46/24** (2006.01); **B01D 51/00** (2006.01); **B01D 51/06** (2006.01); **B01D 53/26** (2006.01); **B60T 17/00** (2006.01); **F01M 13/04** (2006.01)

CPC (source: EP US)
B01D 39/2034 (2013.01 - EP US); **B01D 46/0004** (2013.01 - EP US); **B01D 46/0031** (2013.01 - EP US); **B01D 46/0043** (2013.01 - EP US); **B01D 46/2407** (2013.01 - EP US); **B01D 46/4281** (2013.01 - EP US); **B01D 51/06** (2013.01 - EP US); **B01D 53/265** (2013.01 - EP US); **B60T 17/004** (2013.01 - EP US); **B01D 2275/201** (2013.01 - EP US); **F01M 2013/045** (2013.01 - EP US); **Y10S 55/17** (2013.01 - EP US)

Cited by
US5456692A

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL SE

DOCDB simple family (publication)
WO 9304761 A1 19930318; AT E140396 T1 19960815; AU 2505492 A 19930405; AU 653063 B2 19940915; BR 9206446 A 19941213; CA 2116430 A1 19930318; DE 69212335 D1 19960822; DE 69212335 T2 19970102; EP 0640002 A1 19950301; EP 0640002 A4 19940623; EP 0640002 B1 19960717; JP H06510229 A 19941117; KR 100239672 B1 20000115; US 5409514 A 19950425

DOCDB simple family (application)
AU 9200463 W 19920903; AT 92918921 T 19920903; AU 2505492 A 19920903; BR 9206446 A 19920903; CA 2116430 A 19920903; DE 69212335 T 19920903; EP 92918921 A 19920903; JP 50475493 A 19920903; KR 19940700494 A 19940218; US 19625794 A 19940215